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	Generator's Name and Mailing Address	BUBBB	073854	B	A	of 1 . State Ma			
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	P.O. Box 3546, Seattle, W 4. Generator's Phone (206) 382-83		206	-698 B	V23 B	. State Ge	nerator's	ID .	
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	7. Transporter 2 Company Name		8. US EPA ID Number			E. State Transporter's ID F. Transporter's Phone			
H	Designated Facility Name and Site Address		10. US EPA	D Number	0.00	. State Fa	TO THE OWNER OF THE PARTY OF	10	
	Designated Facility Name and Site Address World Resources Company								
	8113 West Sherman Street			7355	0 0	H. Facility's Phone 500-972-1955			
lŀ		Phoenix, Arizona 85043 A Z D 9 8 0 7 3 5 5 0 0					13.	14.	1.
G	11. US DOT Description (Including Proper Ship	pping Name, Ha	nzard Class and ID Nu	mber)	No. Ty	pe Qu	otal antity	Unit Wt/Vol	Waste No.
N	a. RQ, Hazardous waste	, solid,	n.o.s.,	-U		-			
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	J. Additional Descriptions for Materials Listed		The Mark of the Soliday	t in gentelgre it vide id av koediel/S V Bast Teglesh					
2	15. Special Handling Instructions and Addition 24. Hour Emergencey Response: (Use CHEMITEC company code "V	nal Information 1-800-42 WORR*)	4-9300 CHEMT lear gloves &	RC (Eme goggles	ergenc	y call	pager	#206	3-648-8423)
-	16. GENERATOR'S CERTIFICATION: I hereby declare	that the contents of	of this consignment are ful	ly and accurately	v described	above by			
	proper shipping name and are classified, packed, m according to applicable international and national go	arked, and labeled	l, and are in all respects i				ay		
	If I am a large quantity generator, I certify that I	have a program	in place to reduce the v						
	economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR , if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.								
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L	20. Facility Owner or Operator: Certification o	f receipt of haz	ardous materials co	vered by this r	manifest	except as n	oted in Ite	em 19.	
,	Printed/Typed Name		Signature		9				fonth Day Year
Sty	/le CF 17 LABELMASTER, AN AMERICAN LABELMARK CO.,	CHICAGO, IL 6064	6 (800)621-5808		8	EPA Form 870	0.22 (Pay 0	99) Provis	ous editions are obsolete.



GENERATOR COPY

Material Safety Data Sheet

F006 Recyclable Material (Filter Cake)

Recycler's Facility Name and Site Address:

World Resources Company 8113 West Sherman Street

Phoenix, Arizona 85043

Tele: 1-602-233-9166 Fax: 1-602-936-9164

Issued: 8/7/90 Revised: 9/18/96 DLS

Call CHEMTREC only in the event of emergencies during shipping that involve a spill, leak, fire, or accident (all calls are recorded)

For Emergencies During Shipping in the US or Canada, Day or Night, Call: CHEMTREC 800-424-9300

(Use Chemtrec Company Code "WORR") For calls from other countries call: 202-483-7616 Collect

Section T

Generic Name: Electroplating/Metal-Finishing Wastewater Treatment Sludge Environmental Protection Agency (EPA) Waste Classification: F006

Chemical Family: Metallic (Hydroxide) Precipitates Synonym: Non-ferrous Metal Hydroxide Filter Cake

PRODUCT - MATERIAL IDENTIFICATION

DOT Shipping Name: RQ, Hazardous waste, solid, n.o.s., (F006) DOT Hazard Class: 9; Packing Group: III DOT Identification Number: NA 3077

Guide 171 of the North American Emergency Response **Guidebook Applies**

Section 2	randonales controlles à estat		MAZARU	JUS INCHEDIENTS
Ingredient	CAS Number:	Content%:	ACGIH-TLV	Toxicology: (rat, oral)
Copper Hydroxide Nickel Hydroxide Calcium Hydroxide Diatomaceous Earth	20427-59-2 12054-48-7 1305-62-0 68855-54-9	0-30 0-15 0-15 0-10	1.0 mg/m ³ (Dust) 1.0 mg/m ³ (Dust) 5.0 mg/m ³ (Dust) 6.0 mg/m ³ (Dust)	LD-50 1,000 mg/kg LD-50 1,500 mg/kg LD-50 7,340 mg/kg LD-50 3,160 mg/kg

Section 3

Description: Solid, Clay-like Clumps, Gray/Green to Brown, Water Content 30-80%

Specific Gravity: 2.5 to 3.5 Solubility: Inscluble in water

Density: 64 to 90 lbs/cu/ft

Incompatible Reactivity: None Known Vapor Pressure: Insignificant

Stability: Avoid contact with acids Polymerization: Will not occur

PHYSICAL AND REACTIVITY DATA

Boiling Point Above 2600 & Melting Point Above 1800 & pHt 7.0 to 10.0

Odor: Nil

Section 4

Flashpoint Nonflammable Special FirefightingProcedures: None Product Decomposition..... (Due to Fire or Explosion): None

Oxidation: Non-oxidizing Explosive: Non-explosive

Fire Diamond



LOXICITY

AND EXPLOSION DATA

Section 5

Listed Carcinogen component: Nickel

Toxicology: See Sec. 2 (Nickel Hydroxide)

Route of Entry: Inhalation and Ingestion

HEALTH EFFECTS AND FIRST AID

Section 6

Inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.

Ingestion: Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconscious person) and call a physician.

Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.

Skirt: Dust may irritate skin, causing forms of eczema. Wash with soap and water.

Long-Term Effects: Chronic overexposure may affect the following target organs or body systems—blood, digestive, respiratory, lungs, liver, kidneys and skin.

Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions.

Section 7

PRECAUTIONS FOR SAFE HANDLING

Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment be used by personnel who will come in contact with the material. The equipment should include eye protection, respirator and dioves.

Storage: Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid inhalation or ingestion. Store in a dry area under cover from rain.

Spills: Cleaning procedures should not create excessive dust. Vacuum when possible. Package material and send to World Resources Company at above address.

Section 8

CONTROL MEASURES

Respiratory Protection: NIOSH-MSHA approved respirators as required. Other Protective Equipment: Coveralls are recommended, but not required. Eye Protection: Safety Glasses recommended. Hand Protection: Gloves recommended.

GENERATOR'S VERIFICATION

This MSDS is provided solely fo taken in the preparation of the de						
material listed on the attached N		9800 6	Telephone:	206-382-8379	Date:	7-13-98
Company Name and Address:	Alaskan Copper W	orks P.O. Box 3546,	Seattle, WA 98124			/
			Signaturo:	100		

Recycled Paper

AND DISPOSAL RESTRICTION (effective 5/1/97)

(A copy of this Notice must be retained by the generator for at least 5 years in conformance with 40 CFR §268.7(a)(7) (1996). This 5 year record retention mandate may be automatically extended under the regulation.)

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World Resources Company 8113 West Sherman Street

Phoenix, Arizona 85043-3000

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Alaskan Copper Works

P.O. Box 3546, Seattle, WA 98124

Manifest Number:

Date of Shipment:

This shipment of material is subject to the land disposal restrictions of 40 CFR Part 268. The applicable Land Disposal Restriction Information is provided in accordance with 40 CFR §268.7 and is shown below:

EPA Material Number	Treatability Group	CFR Reference for Treatment Standards
D007	Nonwastewater	40 CFR §268.40 (1996)
F006	Nonwastewater	40 CFR §268.40 (1996)*

(Signature)

Material Safety Data Sheet

D007 Recyclable Material

Recycler's Facility Name and Site Address:

World Resources Company

8113 West Sherman Street Phoenix, Arizona 85043

Tel: 1-602-233-9166 Fax: 602-936-9164

Issued: 3/18/94

Call CHEMTREC only in the event of emergencies during shipping that involve a spill, leak, fire, or accident (all calls are recorded)

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Section 1

PRODUCT - MATERIAL IDENTIFICATION

Environmental Protection Agency (EPA) Waste Classification: D007 Generic Name: Chromium metal bearing sludge

Chemical Family: Non-Ferrous metal particulates

Synonym: Metallic Residues From High Frequency Burning Table

DOT Shipping Name: RQ, Hazardous Waste, Solid, n.o.s. (D007)

DOT Hazard Class: 9; Packing Group: III **DOT Identification Number: NA 3077**

DOT Emergency Response Guide 31 Applies

HAZARDOUS INGREDIENTS

Ingredient:	CAS Number:	Content %:	ACGIH-TLV	Toxicology:
Aluminum	7429-90-5	0-5	10 mg/m 3	No Data Available
Chromium	7440-47-3	0-15	0.5 mg/m 3	2.75 mg/kg (Rat, Oral)
Copper	7440-50-8	0-10	1.0 mg/m 3	0.35 mg/kg (Mouse, Oral)
Nickel	7440-02-0	0-10	1.0 mg/m 3	No Data Available
Zinc	7440-66-6	0-5	none established	No Data Available

Section 3

PHYSICAL AND REACTIVITY DATA

Description: Moist, Sandy consistency

Brown to Black colored

Water Content 10-20% by weight

Specific Gravity: 2.0 to 3.0

Solubility: Insoluble in water

Density: 100 to 150 lbs/cu/ft

Incompatible Reactivity: Extreme heat sources,

Oxidants

Vapor Pressure: Insignificant

Stability: Avoid contact with acids, extreme heat

Polymerization: Will not occur Boiling Point: Above 2000°C Melting Point: Above 1000°C

pH: 7.0 to 10.0

Odor: Nil

Section 4

FIRE AND EXPLOSION DATA

NFPA

Flashpoint: Nonflammable, under normal conditions Special Firefighting Procedures: Dry Chemical

Oxidation: Non-oxidizing Explosive: Non-explosive

Product Decomposition. . . . (Due to Fire or Explosion): Hydrogen gas, ZnO (under extreme external heat) Fire Diamond



Listed Carcinogen component: Chromium, Nickel Toxicology: See Sec. 2 (Chromium, Nickel) Route of Entry: Inhalation and Ingestion

HEALTH EFFECTS AND FIRST AID

Inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.

Ingestion: Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconscious person) and call a physician.

Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.

Skin: Dust may irritate skin, causing forms of eczema. Wash with soap and water.

Long-Term Effects: Chronic overexposure may affect the following target organs or body systems—blood, digestive, respiratory, lungs, liver, kidneys and skin.

Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions.

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Spills: Cleaning procedures should not create excessive dust. Vacuum when possible. Package material and send to World Resources Company at above address.

Section 8

CONTROL MEASURES

Respiratory Protection: NIOSH-MSHA approved respirators as required. Other Protective Equipment: Coveralls are recommended, but not required. Eye Protection: Safety Glasses recommended. Hand Protection: Gloves recommended.

Section 9

GENERATORS VERIFICATION

This MSDS is provided solely for informational purposes and no warranty or responsibility is extended even though reasonable precautions have been taken in the preparation of the data contained for this recyclable material. To the best of my knowledge this MSDS describes the recyclable material listed on the attached Manifest Number: 78006 Telephone Company Name and Address: Alaskan Copper Works 628 Hanford st. Telephone: Seattle Wa 98134 Company Name and Address: _

Signature:

A 75 WOR 2/0/

MATERIAL IDENTIFICATION

DOT BASIC SHIPPING DESCRIPTION AND TECHNICAL NAME: Hazardous waste solid mos (D007)



HOLESTON CONTRACTOR

FIRE OR EXPLOSION

- Some may burn, but none ignite readily.
- Some may polymerize (P) explosively when heated or involved in a fire.
 Containers may explode when heated.
- . Some may be transported hot.

HEALTH

- · Inhalation of material may be harmful.
- · Contact may cause burns to skin and eyes.
- . Inhalation of Asbestos dust may have a damaging effect on the lungs.
- Fire may produce imitating, corrosive and/or toxic gases.
- Runoff from fire control may cause pollution.

PUBLIC SAFETY

- CALL CHEMTREC at 1-800-424-9300 FOR EMERGENCY ASSISTANCE (Use CHEMTREC Company Code 'WORR').
- Isolate spill or leak area immediately for at least 10 to 25 meters (30-80 feet) in all directions.
- · Keep unauthorized personnel away.
- · Stay upwind.

PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- · Structural firefighters' protective clothing will only provide limited protection.

EVACUATION

Fire

• If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1,2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

EMERGENCY RESPONSE

FIRE

Small Fires

Dry chemical, CO₂, water spray or regular foam.

Large Fires:

- · Water spray, log or regular foam.
- Move containers from fire area if you can do it without risk.
- Do not scatter spilled material with high gressure water streams.
- Dike fire-control water for later disposal.

Fire involving Tanks:

- Cool containers with flooding quantities of water until well after fire is out.
- . Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- · ALWAYS stay away from the ends of tanks.

SPILL OR LEAK

- Do not touch or walk through spilled material.
- · Stop leak if you can do it without risk.
- Prevent dust cloud.
- · Avoid inhalation of asbestos dust.

Small Dry Spills

- With clean shovel, place material into clean, dry container and cover loosely; move containers from spill area. Small Spills
- Take up with sand or other noncombustible absorbent material and place into containers for later disposal. Large Spills
- Dike far ahead of liquid soll for later disposal.
- Cover powder spill with plastic sheet or tarp to minimize spreading.
- · Prevent entry into waterways, sewers, basements or confined areas.

FIRST AID

- · Move victim to fresh air.
- Call emergency medical care.
- · Apply artificial respiration if victim is not breathing.
- · Administer oxygen if breathing is difficult.

Six-Marchael Superior States

- Remove and Isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with punning water for at least 20 minutes.
- Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

AZF WAC BING

MATERIAL IDENTIFICATION

DOT BASIC SHIPPING DESCRIPTION AND TECHNICAL NAME: Hazardous waste, solid, n.o.s., (F006)

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK

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POTENTIAL HAZARDS

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- · Administer oxygen if breathing is difficult.
- · Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

3/28/9